

Title (en)  
OPTO-ELECTRICAL DEVICES INCORPORATING METAL NANOWIRES

Title (de)  
OPTO-ELEKTRISCHE VORRICHTUNGEN MIT METALLNANODRÄHTEN ENTHALTENDER ELEKTRODE

Title (fr)  
DISPOSITIFS OPTO-ÉLECTRIQUES AVEC ÉLECTRODE COMPRENANT DES NANOFILS MÉTALLIQUES

Publication  
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Application  
**EP 19170557 A 20121012**

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• EP 12778915 A 20121012  
• US 2012060101 W 20121012

Abstract (en)  
The present disclosure relates to OLED and PV devices including transparent electrodes that are formed of conductive nanostructures and methods of improving light out-coupling in OLED and input-coupling in PV devices.

IPC 8 full level  
**H01L 51/52** (2006.01); **H10N 10/856** (2023.01); **H01B 1/22** (2006.01); **H01L 31/0224** (2006.01); **H01L 51/44** (2006.01)

CPC (source: EP KR US)  
**H01B 1/22** (2013.01 - EP US); **H01L 31/022491** (2013.01 - US); **H01L 31/0232** (2013.01 - US); **H01L 31/1884** (2013.01 - US); **H01L 33/58** (2013.01 - US); **H05B 33/28** (2013.01 - EP US); **H10K 30/80** (2023.02 - US); **H10K 50/00** (2023.02 - US); **H10K 50/115** (2023.02 - KR); **H10K 50/81** (2023.02 - US); **H10K 50/828** (2023.02 - EP KR US); **H10K 50/85** (2023.02 - US); **H10K 50/854** (2023.02 - EP KR US); **H10K 50/858** (2023.02 - EP KR); **H10K 71/00** (2023.02 - US); **H10K 71/611** (2023.02 - US); **H10K 71/621** (2023.02 - US); **H10K 71/80** (2023.02 - EP); **H10K 30/35** (2023.02 - EP KR); **H10K 30/50** (2023.02 - EP KR); **H10K 30/82** (2023.02 - EP KR US); **H10K 50/814** (2023.02 - EP KR); **H10K 50/858** (2023.02 - US); **H10K 50/86** (2023.02 - EP KR US); **H10K 71/60** (2023.02 - EP); **H10K 2102/331** (2023.02 - EP US); **Y02E 10/549** (2013.01 - EP US); **Y02P 70/50** (2015.11 - EP US)

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